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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/628,718	07/28/2000	Tadayuki Sakakibara	500.38828X00	3342	
20457	7590 04/21/2004		EXAMINER		
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889			PEIKARI, BEHZAD		
			ART UNIT	PAPER NUMBER	
			2186	10	
			DATE MAILED: 04/21/2004	1	

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Please find below and/or attached an Office communication concerning this application or proceeding.

6. r. s				
	1	Application No.	Applicant(s)	
		09/628,718	SAKAKIBARA ET AL.	1
Office Action Summary		Examiner	Art Unit	
		B. James Peikari	2186	
Period for	The MAILING DATE of this communication app r Reply	pears on the cover sheet with t	he correspondence address	
A SHO THE N - Extensions after S - If the I - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. sions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply within the statutory minimum of thirty (30 will apply and will expire SIX (6) MONTHS, cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).	
Status				
2a)☐ 3)☐	Responsive to communication(s) filed on <u>01 M</u> . This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.	· Andrews	
Dispositio	on of Claims			
5)	Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav Claim(s) is/are allowed. Claim(s) 1-18 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.		
Application	on Papers			
10)⊠ T	The specification is objected to by the Examiner The drawing(s) filed on <u>28 July 2000</u> is/are: a) Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Ex	☐ accepted or b) ☐ objected drawing(s) be held in abeyance. ion is required if the drawing(s) is	See 37 CFR 1.85(a). s objected to. See 37 CFR 1.121(d)	
Priority u	nder 35 U.S.C. § 119			
12)⊠ <i>A</i> a)∑	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau ee the attached detailed Office action for a list of	s have been received. s have been received in Appli ity documents have been rec ı (PCT Rule 17.2(a)).	cation No eived in this National Stage	
Attachment((s) of References Cited (PTO-892)	4) 🔲 Interview Sumn	nary (PTO-413)	
2) Notice 3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	Paper No(s)/Ma		

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DETAILED ACTION

Priority

1. With regard to applicant's request on page 14 of the remarks submitted with the amendment of March 1, 2004, the examiner does not have the authority to make the changes requested by applicant, including physically removing a claim for priority and certified priority document from a pending application. Furthermore, the examiner does not have the authority to enter a new priority claim into a published patent. A petition to the Director under 37 CFR 1.181 is recommended to resolve these issues.

Information Disclosure Statement

- 2. With regard to applicant's request on page 12 of the remarks submitted with the amendment of March 1, 2004, the information disclosure statement filed July 28, 2000 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because:
 - (A) The publication dates of the citations have not been included on the IDS.

 Note that MPEP § 609 states:

Each foreign patent or published foreign patent application must be identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application.

(B) The IDS does not incorporate the page(s) and lines of the specification where the relevance of the foreign citations have been explained.

Note that MPEP § 609 states:

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Each information disclosure statement must further include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information listed that is not in the English language. The concise explanation may be either separate from the specification or incorporated therein with the page(s) and lines of the specification where it is incorporated being noted in the IDS.

It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any resubmission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 ¶ C(1).

Furthermore, MPEP § 609 states:

Use of form PTO-1449, "Information Disclosure Citation," or PTO/SB/08A and 08B, "Information Disclosure Statement," is encouraged as a means to provide the required list of information as set forth in 37 CFR1.98(a)(1).

Drawings

3. The proposed drawing corrections filed on March 1, 2004 are approved by the examiner. Corrected formal drawings will be required when the application is allowed.

Specification

4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

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5. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification. For example, on page 6, line 22, "DRAWINGS" should replace "DRAWING".

6. A substitute specification in proper idiomatic English and in compliance with 37 CFR 1.52(a) and (b) is required. The substitute specification filed must be accompanied by a statement that it contains no new matter. A further review of the specification reveals that although many of the technical aspects of the invention are understood by the examiner, the actual language of the specification is replete with errors in English idiom that appear to have arisen from direct translation of a foreign language disclosure.

Claim Rejections - 35 USC § 102

7. The previous rejections under 35 USC § 102 are withdrawn due to applicant's perfection of applicant's claim of priority on March 1, 2004.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

8. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Tzeng et al., U.S. 5,802,576.

As explained throughout the reference, Tzeng et al. teach a cache snoop mechanism wherein a plurality of instructions may be fetched in a speculative manner, the system operating such that if a CPU request for data is received by a cache (24), a speculative fetch of a next cache line occurs and the next cache line is held ready for transfer and a hit decision will be made to determine whether that cache line address is in the cache. If it is not in the cache, the data is redirected to main memory (*column 2*, *lines 1-6*.)

As for the broadly claimed n-way associative cache, this limitation would have been taught by any cache (i.e., from an n=0 non-associative cache to a fully associative cache).

9. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Ramagopal et al., U.S. 6,006,317.

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As explained throughout the reference, Ramagopal et al. teach a speculative storage mechanism wherein a data is speculatively stored into a cache (60), the system operating such that if a CPU request for data is received by a cache, a speculative response is generated and transferred and a decision will be made to either send the held speculative data response to the CPU or to discard and replace the held speculative data, accordingly (note column 4, lines 14-18).

As for the broadly claimed n-way associative cache, this limitation would have been taught by any cache (i.e., from an n=0 non-associative cache to a fully associative cache).

Response to Amendment

10. With regard to applicant's comments on pages 12-13 of the remarks submitted with the amendment of March 1, 2004, the application papers regrettably have no record of applicant's stated multiple discussions held with the examiner. Applicant is hereby requested to furnish the dates and nature and subject matter of each of these discussions, to clarify the file record. The examiner will compare these with his telephone log to piece together the missing communications for the record.

The reference Bauman et al., 6,457,101, has been added to the attached form PTO 892.

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Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Peikari whose telephone number is (703) 305-3824. The examiner is generally available between 8:00 am and 9:30 pm, EST, Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Kim, can be reached at (703) 305-3821.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 746-7239 (Official communications)

or:

(703) 746-7240 (for Informal or Draft communications)

or:

(703) 746-7238 (for After-Final communications)

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

B. James Peikari **Primary Examiner** Art Unit 2186

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